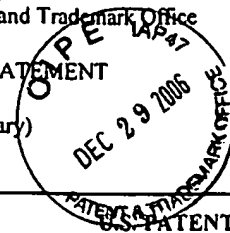


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Mitsuaki OSHIMA et al.			
				Filing Date December 5, 2001		Group 2616	



U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AB		5	8	0	8	6	9	4	09/15/98	USUI et al.			
AB		6	0	3	7	9	9	8	03/14/00	USUI et al.			
AB		6	0	7	5	5	7	0	06/13/00	USUI et al.			
AB		5	9	3	9	6	9	9	08/17/99	PERTTUNEN et al.			

FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
AB		7	-	6	1	9	3	01/10/95	JAPAN				
AB		5	-	4	6	4	5	02/26/93	JAPAN				
AB		7-	1	2	7	0	8	05/19/95	JAPAN				
AB		10	-	7	4	7	9	03/10/98	JAPAN				
AB		9-	1	4	4	3	9	06/06/97	JAPAN				
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AB		7-	1	4	6	6	4	6	06/06/95	JAPAN			
AB		3-	2	2	5	3	1	10/01/91	JAPAN				
AB		10	-	4	5	7	1	02/20/98	JAPAN				

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AB	1	English Language Abstract of JP 7-6193.
AB	2	English Language Abstract of JP 5-45645.
AB	3	English Language Abstract of JP 7-129708.
AB	4	English Language Abstract of JP 10-70479.
AB	5	English Language Abstract of JP 9-149439.
AB	6	English Language Abstract of JP 2000-299888.

EXAMINER ALEXANDER BOAKYE	DATE CONSIDERED 2/20/07
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	Applicant Mitsuaki OSHIMA et al.	
	Filing Date December 5, 2001	Group Unknown 2616

U.S. PATENT DOCUMENTS

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AB		5 8 0 8 6 9 4	09/15/98	USUI et al.			
AB		6 0 3 7 9 9 8	03/14/00	USUI et al.			
AB		6 0 7 5 5 7 0	06/13/00	USUI et al.			
AB		5 9 3 9 6 9 9	08/17/99	PERTTUNEN et al.			
AB		5 8 6 4 7 5 3	01/26/99	MORITA et al.			
AB		5 9 3 0 7 6 7	07/27/99	REBER et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AB		11- 1 2 7 1 3 1	05/11/99	JAPAN			
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AB		11- 2 6 1 9 0 6	09/24/99	JAPAN			
AB		8- 2 7 5 0 7 7	10/18/96	JAPAN			
AB	20	00- 3 2 4 2 7 4	11/24/00	JAPAN			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

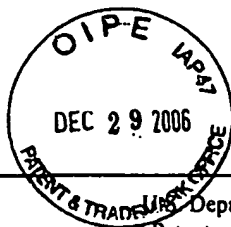
AB		1	English Language Abstract of JP 11-127131.
AB		2	English Language Abstract of JP 11-196062.
AB		3	English Language Abstract of JP 11-261906.
AB		4	English Language Abstract of JP 8-275077.
AB		5	English Language Abstract of JP 8-16740.
AB		6	English Language Abstract of JP 7-146646.
AB		7	English Language Abstract of JP 2000-285324.

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10/002,621

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Unknown

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FOREIGN PATENT DOCUMENTS

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AB		08-	2	4	2	2	1	3	09/17/96	JAPAN			
AB		62-	1	3	7	9	1	2	06/20/87	JAPAN			

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AB		9	English Language Abstract of JP 10-49571.										
AB		10	English Language Abstract of JP 5-263558.										
AB		11	English Language Abstract of JP 3-222531.										
AB		12	English Language Abstract of JP 2001-256388.										
AB		13	English Language Abstract of JP 2001-325468.										
AB		14	English Language Abstract of JP 2001-344545.										
AB		15	English Language Abstract of JP 2001-17504.										
AB		16	English Language Abstract of JP 2001-283117.										
AB		17	English Language Abstract of JP 08-242213.										
AB		18	English Language Abstract of JP 62-13712.										

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AB		11-	1	4	6	3	9	3	05/28/99	JAPAN				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)														
AB		19	English Language Abstract of JP 11-146393.											
AB		20	English Language Abstract of JP 2002-2445.											
AB		21	English Language Abstract of JP 2001-005883.											
AB		22	Mobile Media Magazine, vol. 66, December, 2000, pages 50-53, with a partial English language translation.											
AB		23	"News & Topics", Mobile Media Magazine, December, 2000, page 13, with a partial English language											
AB			translation.											
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